



#5  
BT  
8-8-02

2172

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Matthew B. Wall and Timothy R. Wall

Application No.: 09/898,506

Group Art Unit: 2172

Filed: July 3, 2001

Examiner: Not assigned

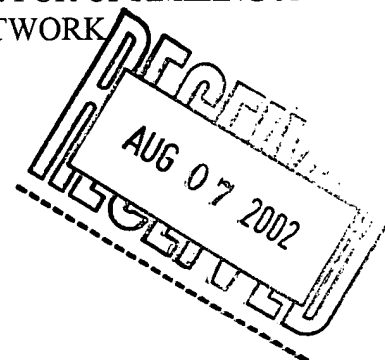
RECEIVED

AUG 05 2002

Technology Center 2100

Title: METHOD AND APPARATUS FOR PROVIDING A SEARCH ENGINE FOR OPTIMIZING A  
DECENTRALIZED OR EMERGENT MODEL ON A COMPUTER NETWORK

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, P.O. Box 2327, Arlington, VA 22202	
on <u>7/30/02</u>	<u>Margaret A. Norcutt</u>
Date	Signature
<u>Margaret A. Norcutt</u>	
Typed or printed name of person signing certificate	



INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
P.O. Box 2327  
Arlington, VA 22202

Sir:

This Information Disclosure Statement is submitted:

☐ under 37 CFR 1.129(a), or

(First/Second submission after Final Rejection)

☒ under 37 CFR 1.97(b), or

(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).

☐ under 37 CFR 1.97(c) together with either:

☐ a Statement under 37 CFR 1.97(e), as checked below, or

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

☐ under 37 CFR 1.97(d) together with:

☐ a Statement under 37 CFR 1.97(e), as checked below, and

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)

☐ under 37 CFR 1.97(i):

Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.

(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
  - ☒ Copies of the cited references are enclosed.
  - ☐ Copies of cited references are enclosed except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.]
  - ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
  - ☒ The "concise explanation" requirement (non-English references) for reference(s) AL under 37 CFR 1.98(a)(3) is satisfied by:
    - ☐ the explanation provided on the attached sheet.
    - ☐ the explanation provided in the Specification.
    - ☐ submission of the enclosed International Search Report.
    - ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
    - ☒ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's  
Initials

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_  
Examiner

\_\_\_\_\_  
Date

☐ A copy of each above-cited application, including the current claims, is enclosed.

☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.

☐ Please charge Deposit Account 08-0380 in the amount of \$[ ]. A copy of this Statement is enclosed.

☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By C. Steven Kurlowec

C. Steven Kurlowec  
Registration No.: 46,846  
Telephone: (978) 341-0036  
Facsimile: (978) 341-0136

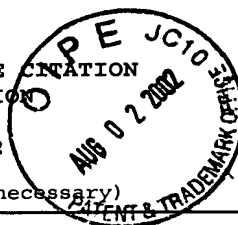
Concord, MA 01742-9133

Dated: 7/20/2

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 2767.2001-004		APPLICATION NO. 09/898,506		
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>				<b>APPLICANT</b> Matthew B. Wall et al.		
July 29, 2002 (Use several sheets if necessary)				FILING DATE 7/3/01		
<b>U.S. PATENT DOCUMENTS</b>						
EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
AA	5,317,729	05/31/94	Mukherjee et al.	395	600	<b>RECEIVED</b> AUG 05 2002 Technology Center 2100
AB	5,517,655	05/14/96	Collins et al.	395	800	
AC	5,550,976	08/27/96	Henderson et al.	395	200.06	
AD	5,724,575	03/03/98	Hoover et al.	395	610	
AE	5,796,986	08/18/98	Fuller	395	500	
AF						
AG						
AH						
AI						
AJ						
AK						
<b>FOREIGN PATENT DOCUMENTS</b>						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
AL	WO 98/15908	10 Aug 97	PCT			
AM						
AN						
AO						
AP						
AQ						
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
AR	Borland, N. et al., "Integrating Environmental Impact Assessment into Product Design," <i>Proceedings of DETC98, 1988 ASME Design Engineering Technical Conference</i> , Sept. 13-16, 1998, Atlanta, Georgia (8 pp.)					
AS	Pahng, F. et al., "Modeling and Evaluation of Product Design Problems in a Distributed Design Environment," <i>Proceedings of DETC '97: 1997 ASME Design Engineering Technical Conferences</i> , Sept. 14-17, 1997, Sacramento, California (11 pp.)					
AT	Abrahamson, S. et al., "Integrated Engineering, Geometric, and Customer Modeling: LCD Projector Design Case Study," <i>Proceedings of DETC 99: 1999 ASME Design Engineering Technical Conferences</i> , Sept. 12-16, 1999, Las Vegas, Nevada (9 pp.)					
EXAMINER			DATE CONSIDERED			

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 2767.2001-004		APPLICATION NO. 09/898,506	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		APPLICANT Matthew B. Wall et al.			
July 29, 2002		FILING DATE 07/3/01		GROUP 2172	
(Use several sheets if necessary)					
U.S. PATENT DOCUMENTS					
EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS Technology Center 2100 FILING DATE IF APPROPRIATE AUG 05 2002 RECEIVED
FOREIGN PATENT DOCUMENTS					
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
	AU	"PTC - Windchill Product Information Homepage," <a href="http://www.ptc.com/products/windchill/index.htm">http://www.ptc.com/products/windchill/index.htm</a> , downloaded 5/24/00.			
	AV	"Project JXTA: Technical Specification, Version 1.0," Sun Microsystems, Inc., 4/25/01 (26 pp.).			
	AW	Gong, L., "Project JXTA: A Technology Overview," Sun Microsystems, Inc., 4/25/01 (12 pp.)			
	AX	Abrahamson, S. et al., "Integrated Design in a Service Marketplace," <i>Computer-Aided Design</i> , 32(2):97-107 (2000).			
	AY	Senin, N. et al., "Distributed modeling and optimization of mixed variable design problems," <i>MIT CADlab Technical Report: 99.01</i> , 1999 (32 pp.)			
	AZ	Dabke, P. et al., "NetBuilder: an environment for integrating tools and people," <i>Computer-Aided Design</i> , 30:6 (465-472), 1998.			
	AR2	Dabke, P., "Enterprise Integration via Corba-Based Information Agents," <i>Internet Computing</i> , Sept.-Oct. 1999, p. 49-57.			
	AS2	"Enterprise Engineering Solutions - Next Generation Design Environment for the Integrated Enterprise," (white paper) <i>Phoenix Integration</i> , Nov. 1998 (12 pp.).			
	AT2	"iSight v.5.0 Solutions," <a href="http://www.engineous.com/isight.html">http://www.engineous.com/isight.html</a> , downloaded 3/23/00.			
EXAMINER			DATE CONSIDERED		

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 2767.2001-004		APPLICATION NO. 09/898,506	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION  July 29, 2002 (Use several sheets if necessary)		APPLICANT Matthew B. Wall et al.			
		FILING DATE 7/3/01		GROUP 2172	
<b>U.S. PATENT DOCUMENTS</b>					
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS
<b>FOREIGN PATENT DOCUMENTS</b>					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>					
	AU2	Dabke, P., "Simulation Based Design: An infrastructure for collaborative development of complex engineering products," Advanced Technology Center Working Paper, Lockheed Martin Advanced Technology Center, 2/5/99 (20 pp.).			
	AV2	Fisher, M., "Zero-latency Engineering™", Aviatis Corporation, 1999 (16 pp.).			
	AW2	Wallace, D.R. et al., "Design Process Elicitation through the Evaluation of Integrated Model Structures," <i>Proceedings of DETC 99, 1999 ASME Engineering Technical Conferences</i> , Sept. 12-16, 1999, Las Vegas, Nevada (8 pp.).			
	AX2	Senin, N. et al., "A framework for mixed parametric and catalog-based design problem modeling and optimization," <i>MIT CADlab Technical Report:97.02</i> , 1997 (39 pp.).			
	AY2	Haupt, T. et al., "WebFlow: a framework for web based metacomputing," in <i>Future Generations Computer Systems</i> , Vol. 16, No. 5, (pp. 445-451), Elsevier Science Publishers, Amsterdam (March 2000).			
	AZ2	Pahng, F. et al., "Distribution modeling and evaluation of product design problems," <i>Computer Aided Design</i> , Vol. 30, No. 6 (pp. 411-423), Elsevier Publishers BV, Barking GB (May 1, 1998).			
EXAMINER			DATE CONSIDERED		



Technology Center 2100

 RECEIVED  
AUG 05 2002